| Inde | ex of | Clair | ns |
|------|-------|-------|----|
|      |       |       |    |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/706,345              | CHIMITT ET AL.                          |
| Examiner ·              | Art Unit                                |
| Ilwoo Park              | 2182                                    |

| √ |   | Rejected |
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| = | : | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

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| 1 | Interference |

| Α | Appeal   |
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| 0 | Objected |

| Cla      | aim      |  |              |          |  | Date         | e .  |              |  | ı        |     | Cla   | im       |              |              |  | [  | 2 |
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| Final    | Original | 10/23/07   |              |          |  |              |  |              |  |          |     | Final | Original |              |              |  | ,  |   |
|          | 1        | v  |              |          |  |              |  |              |  |          |     |       | 51<br>52 |              |              | _  |  |   |
|          | 2        | ٧  |              |          |  |              |  |              |  |          |     |       | 52       |              |              |  |  |   |
|          | 3        | v  |              |          |  |              |  | <u> </u>     |  |          |     |       | 53       | <u>_</u>     | _            |  |  | L |
|          | 4        | V  | _            | L        |  |              | _  |              |  |          | j   |       | 54       | _            |              |  |  | L |
| <u></u>  | 5        | v  |              |          | _  | _            |  |              |  | L        |     |       | 55       | <u>_</u>     |              |  |  | L |
| <u></u>  | Ø        | _  | _            | _        | _  | <u> </u>     | _  | _            | <u> </u>   | _        |     |       | 56       | <u> </u>     |              | <u> </u>   | L  | L |
|          | 7        | V  | <u>_</u>     | <u> </u> | <u> </u>   | _            | ļ  | <u> </u>     | <u> </u>   |          |     |       | 57       | <u> </u>     | _            | <u> </u>   |  | L |
| ,        | 8        | <u> </u>   | <u> </u>     | L_       | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>   | _        | ļ   |       | 58       | <u> </u>     | _            | _  | <u> </u>   | L |
| `        | 9        | V  |              |          | _  | _            | <u> </u>   | <u> </u>     | <u> </u>   | _        |     |       | 59       |              | _            | <u> </u>   | <u> </u>   | L |
| <u> </u> | 10       | <u> </u>   | <b> </b> —   | <u> </u> | <u> </u>   | <u> </u>     | _  | <u> </u>     | ├  | _        |     |       | 60       | _            | -            | <u> </u>   | _  | L |
| <u> </u> | 11       | V  |              |          |  | -            | -  | <u> </u>     | ⊢  | _        |     |       | 61<br>62 |              | -            |  |  | H |
|          |          | V  |              |          |  |              | <del> </del>                                     | <u> </u>     | ⊢  | $\vdash$ |     |       | 63       | -            |              | -  | ⊢  | H |
| -        | 13       | V  |              | -        |  | -            | <del> </del>                                     | -            | -  | $\vdash$ | 1   |       | 64       | $\vdash$     | $\vdash$     | <del> </del>                                     | <del> </del>                                     | - |
|          | 15       | V  | -            | ┢        | ├  | ⊢            |  | -            | ├─   | -        | 1   |       | 65       | $\vdash$     | $\vdash$     | $\vdash$   | -  | ŀ |
| -        | 16       | v  | -            | ├        |  |              | ┢  | ┢            | $\vdash$   | ┢        | 1   |       | 66       | -            |              | ┢  | $\vdash$   | H |
| -        | 17       | ۲  | $\vdash$     |          |  | $\vdash$     |  | -            | <del>  -  </del>                                 | -        | 1   |       | 67       |              |              | $\vdash$   | $\vdash$   | H |
| <u> </u> | 18       | v  | ┢            |          | ┢  | $\vdash$     | ┢  |              |  | -        | 1   |       | 68       | _            | -            | -  | ┢  | ŀ |
| <b> </b> | 19       | v  |              |          | $\vdash$   |              |  | _            | <del> </del>                                     | _        | 1   |       | 69       | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | ۲ |
| -        | 20       | Ϊ́ν  | _            | -        | $\vdash$   | $\vdash$     |  |              |  | $\vdash$ | 1   |       | 70       | _            |              | -  | <del>                                     </del> | H |
| $\vdash$ | 21       | v  | $\vdash$     | $\vdash$ | $\vdash$   | 一            |  | ╁            | <del>                                     </del> | _        | 1   |       | 71       |              |              | H  |  | r |
|          | 22       | v  |              | T        | $\vdash$   |              |  |              | $\vdash$   | T        | 1   |       | 72       | _            | _            | _  | T  | r |
|          | 23       | v  |              |          | $\vdash$   | T            | _  | <del> </del> | $\overline{}$                                    | Г        | 1   |       | 73       | $\vdash$     |              | $\vdash$   | Т  | r |
|          | 24       | v  |              |          | Τ  | T            |  | ऻॱॱ          | ऻ  | _        | 1   |       | 74       |              |              |  |  | r |
|          | 25       | v  |              |          |  | Г            |  |              |  | П        | 1   |       | 75       |              |              |  |  | Ī |
|          | 26       |  |              |          |  |              |  |              |  |          |     |       | 76       |              |              |  |  |   |
|          | 27       |  |              |          |  |              |  |              |  |          |     |       | 77       |              |              |  |  |   |
|          | 28       | <u></u>  |              | <u> </u> |  | _            |  | <u> </u>     | L  |          |     |       | 78       |              |              | <u> </u>   |  | L |
| <u></u>  | 29       | <u></u>  |              | <u></u>  | _  |              |  | _            |  |          |     |       | 79       | _            | _            | <u>_</u>   | _  | L |
|          | 30       |  |              |          |  |              |  |              |  |          |     |       | 80       | _            |              |  | _  | L |
|          | 31       | _  |              |          | _  | _            |  | <u> </u>     | <u> </u>   | _        |     |       | 81       | <u> </u>     |              | _  | _  | L |
|          | 32       | _  |              | _        | _  | _            | _  | _            | <u> </u>   | <u> </u> |     |       | 82       | _            | _            |  | _  | L |
|          | 33       | _  |              | <u> </u> | <u> </u>   | ļ            | _  | _            | <u> </u>   | <u> </u> | ļ   |       | 83       | _            |              |  | <u> </u>   | L |
|          | 34       | <u> </u>   | <u> </u>     | ⊢        | <u> </u>   | ├            | <u> </u>   | _            |  | <u> </u> | ļ   | -     | 84       | <u> </u>     |              | _  | <u> </u>   | ŀ |
| ļ        | 35       | ├  | <del> </del> | ⊢        | <del> </del> —                                   | <del> </del> | <u> </u>   | ├            | ├-   | ├        | ł   |       | 85       | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | H |
| <u></u>  | 36<br>37 | <u> </u>   | ⊢            | $\vdash$ | ⊢  | $\vdash$     | ⊢  | <del> </del> | <del> </del>                                     |          | ł   |       | 86<br>87 | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | H |
| $\vdash$ |          | $\vdash$   | $\vdash$     | $\vdash$ | ├-   | -            | <del> </del>                                     |              | -  | $\vdash$ | {   |       |          | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | ┞ |
| <u> </u> | 38<br>39 | $\vdash$   | <del> </del> | ⊢        | $\vdash$   |              | -  | <del> </del> | ├-   | $\vdash$ | 1   |       | 88<br>89 | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | H |
| <u> </u> | 40       | <del> </del> —                                   |              | ├        | $\vdash$   | $\vdash$     | 1  | $\vdash$     | $\vdash$   | H        |     |       | 90       | <del> </del> | ├-           |  | -  | H |
|          | 41       | $\vdash$   |              | $\vdash$ | ⊢  | $\vdash$     | -  |              | <del>                                     </del> | $\vdash$ | 1   |       | 91       | $\vdash$     | $\vdash$     | ┢  | ╁  | H |
| <b></b>  | 42       | <del> </del>                                     | $\vdash$     | ╁        | $\vdash$   | $\vdash$     |  | $\vdash$     | $\vdash$   | $\vdash$ | i   |       | 92       |              | <del> </del> | <del>                                     </del> |  | H |
| <b>—</b> | 43       | <del>                                     </del> | _            | ऻ        |  | -            |  | <u> </u>     |  | $\vdash$ | 1   |       | 93       |              | $\vdash$     | $\vdash$   | $\vdash$   | r |
|          | 44       | <del>                                     </del> | T            | T        | <del>                                     </del> | $\vdash$     |  |              | $\vdash$   |          | 1   |       | 94       |              | <u> </u>     | $\vdash$   | 1  | ۲ |
|          | 45       | $\vdash$   |              | $\vdash$ | 1  | $\vdash$     | <del>                                     </del> | 1            | _  |          | 1   |       | 95       |              |              | $\vdash$   | $\vdash$   | ٢ |
|          | 46       |  |              |          |  |              |  |              |  |          | ]   |       | 96       |              |              | L  |  | Γ |
|          | 47       |  |              |          |  |              |  |              |  |          | ]   |       | 97       |              |              |  |  |   |
|          | 48       |  |              |          |  |              |  |              |  |          | ] : |       | 98       |              |              |  |  |   |
| <u> </u> | 49       | <u> </u>   |              | Ŀ        |  | _            | _  | _            | L  | igsqcup  |     |       | 99       | <u> </u>     | <u> </u>     | L  | _  | L |
| 1        | 50       |  | L.           | L.,      | L  |              |  |              | <u> </u>   |          |     |       | 100      |              | l            | <u></u>  |  | L |

| Claim    |  | Date           |               |          |  |               |              |              |               |              |  |  |
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|          | 51   | $\vdash$       |               |          |  |               |              |              |               |              |  |  |
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|          | 53   |                |               |          |  |               |              |              |               |              |  |  |
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|          | 53<br>54<br>55   | _              |               |          |  |               |              |              |               | $\vdash$     |  |  |
|          | 56   | Ε.             |               |          |  |               |              |              |               |              |  |  |
|          | 56<br>57   | $\vdash$       |               | Г        |  | $\overline{}$ |              |              | 一             |              |  |  |
|          | 58   | $\vdash$       |               | l –      |  |               |              |              |               |              |  |  |
|          | 59<br>60   |                |               | Г        |  |               |              |              |               |              |  |  |
|          | 60   |                |               |          |  |               |              |              |               |              |  |  |
|          | 61   |                |               |          |  |               |              |              |               |              |  |  |
|          | 62   | _              |               | _        |  |               |              |              |               | <u> </u>     |  |  |
|          | 62<br>63   |                | ļ             |          |  |               |              |              | I             |              |  |  |
|          | 64   |                |               |          |  |               |              |              |               |              |  |  |
|          | 64<br>65<br>66   |                |               |          |  |               |              |              |               |              |  |  |
|          | 66   |                |               | П        |  |               |              |              |               |              |  |  |
|          | 67   |                |               |          |  |               |              |              |               |              |  |  |
|          | 68   |                |               |          |  |               |              |              |               |              |  |  |
|          | 69   |                |               |          |  |               |              |              |               |              |  |  |
|          | 70   |                |               |          |  | L.            |              |              | L             |              |  |  |
|          | 71   |                |               | <u> </u> |  |               |              |              |               | _            |  |  |
| <u></u>  | 72   |                |               |          |  |               |              | _            |               | L            |  |  |
| L        | 73   | _              |               | L        |  |               |              |              |               | <u> </u>     |  |  |
| L        | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78 | L              |               | L        |  | _             |              |              |               | _            |  |  |
|          | 75   |                | L             | <u> </u> | _  | _             |              | _            |               | _            |  |  |
| <u> </u> | 76   | _              | _             | _        | _  |               | _            |              | <u> </u>      |              |  |  |
|          | 77   |                |               | _        | _  |               |              |              | <u> </u>      | <u> </u>     |  |  |
|          | 70   |                | <u> </u>      | ⊢        | H  | _             | _            | <u> </u>     | $\vdash$      | $\vdash$     |  |  |
|          | 79<br>80   | <del> </del> — | _             | ⊢        | _  | _             | _            | _            | ├             | <u> </u>     |  |  |
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|          | 81   | <del> </del>   | _             | ⊢        | H  | _             | _            | ⊢            | ┝             | <del> </del> |  |  |
|          | 82<br>83   |                | <u> </u>      | ├        | -  | -             | <u> </u>     | <del> </del> | <del> </del>  | -            |  |  |
| -        | 84   |                |               | ├—       | -  | -             | <del> </del> | $\vdash$     | $\vdash$      | $\vdash$     |  |  |
| -        | 85   | <del> </del>   | -             | -        | <del>                                     </del> |               | <del> </del> | -            | -             | -            |  |  |
|          | 86   | $\vdash$       |               | $\vdash$ | $\vdash$   | H             | $\vdash$     | -            | $\vdash$      | $\vdash$     |  |  |
| -        | 87   |                |               | $\vdash$ |  |               | <u> </u>     | $\vdash$     | $\vdash$      | $\vdash$     |  |  |
|          | 88   | $\vdash$       | $\vdash$      | $\vdash$ | $\vdash$   | $\vdash$      | $\vdash$     | $\vdash$     | -             | -            |  |  |
|          | 89   | $\vdash$       | $\vdash$      | $\vdash$ | $\vdash$   | $\vdash$      | <u> </u>     | $\vdash$     | <del> </del>  | -            |  |  |
| -        | 90   |                | -             |          | <del> </del>                                     | _             | _            | $\vdash$     | $\vdash$      | $\vdash$     |  |  |
|          | 91   |                | $\vdash$      | $\vdash$ | $\vdash$   | $\vdash$      | $\vdash$     | $\vdash$     | $\vdash$      | $\vdash$     |  |  |
|          | 92   | _              |               | $\vdash$ |  | _             | _            | $\vdash$     | _             |              |  |  |
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|          | 94   |                | T             |          | $\vdash$   | $\Box$        |              | $\vdash$     | $\vdash$      | Γ            |  |  |
|          | 95   |                |               |          |  |               |              |              |               |              |  |  |
|          | 96   |                |               |          |  |               |              |              |               |              |  |  |
|          | 97   |                |               |          |  |               |              |              |               |              |  |  |
|          | 98   |                |               | _        |  |               |              |              |               |              |  |  |
|          | 99   | <u> </u>       | <u> </u>      | <u> </u> |  |               | <u> </u>     | _            | <u> </u>      | <u> </u>     |  |  |
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| Cla   | aim                      | Date         |          |   |                |   |  |                |   |                |  |  |
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|       | 101                      |              | -        |   | _              | _   | _  |                | _   |                |  |  |
|       | 102                      | -            | _        | _   | -              |   |  | _              | $\vdash$  | Н              |  |  |
|       | 103                      | $\vdash$     |          | <u> </u>  | ├              | ┝   | -  |                | $\vdash$  | Н              |  |  |
|       | 104                      | $\vdash$     | _        | H   | $\vdash$       |   | $\vdash$                                     | _              | H   | -              |  |  |
|       | 105                      | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$       | H   | H  | _              |   | Н              |  |  |
|       | 106                      | ┝            | -        | <del> </del>  | -              | -   |  | _              | -   |                |  |  |
|       | 107                      | ┝            | _        | <u> </u>  | _              | $\vdash$  | _  |                | ⊢   | Н              |  |  |
|       | 107                      | -            |          |   |                |   |  |                | <del> </del>  | $\vdash$       |  |  |
|       | 108<br>109               | ├            | -        |   | -              | <u> </u>  |  | -              | -   |                |  |  |
|       | 109                      | -            | -        | -   | —              | -   | _  | _              | -   |                |  |  |
|       | 110                      | _            |          |   | _              | H   | _  |                |   |                |  |  |
|       | 111                      | -            |          | _   | H              | _   | <u> </u>                                     |                | _   | Н              |  |  |
|       | 111<br>112<br>113        | $\vdash$     | -        | <del> </del>  | $\vdash$       | $\vdash$  | $\vdash$                                     | <u> </u>       | -   | Н              |  |  |
|       | 113                      |              |          |   | <del> </del>   |   |  |                | <del>  -</del>  |                |  |  |
|       | 114<br>115<br>116<br>117 |              | <u> </u> | <del> </del>  | <del> </del> — |   | —  | <del> </del> — |   | $\vdash$       |  |  |
|       | 115                      | $\vdash$     | $\vdash$ | <u> </u>  | <u> </u>       | $\vdash$  | H  | $\vdash$       | $\vdash$  | Н              |  |  |
|       | 116                      | <u> </u>     | <u> </u> | <u> </u>  |                |   |  | <del> </del>   | <u> </u>  | _              |  |  |
|       | 117                      | -            | ├        | $\vdash$  | <u> </u>       | $\vdash$  | <u> </u>                                     | $\vdash$       | <u> </u>  | Н              |  |  |
|       | 118                      | _            | _        | ┡   | <u> </u>       |   | <u> </u>                                     | _              | <u> </u>  |                |  |  |
|       | 119                      | _            | <u> </u> | _   | L              |   |  | _              | _   |                |  |  |
|       | 120<br>121               | _            |          | <u>_</u>  |                |   |  |                | <u> </u>  |                |  |  |
|       | 121                      | <u> </u>     |          | _   |                | _   |  | _              |   |                |  |  |
|       | 122                      | _            |          | _   | _              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   |  |                | _   | Ш              |  |  |
|       | 122<br>123<br>124        |              |          | $ldsymbol{le}}}}}}$ |                | $ldsymbol{le}}}}}}$ |  |                | $ldsymbol{ld}}}}}}$ |                |  |  |
|       | 124                      |              |          |   |                |   |  | <u> </u>       | ļ   |                |  |  |
|       | 125<br>126<br>127        | _            |          |   |                |   | _  | <u> </u>       |   |                |  |  |
|       | 126                      | _            | _        | _   | _              | _   | _  | <u> </u>       | _   |                |  |  |
|       | 127                      | <u> </u> _   | _        | <u> </u>  | _              | <u> </u>  |  | <u> </u>       | <u> </u>  | $\perp$        |  |  |
|       | 128<br>129               | <u> </u>     | _        | _   | <u> </u>       | <u> </u>  |  | $\vdash$       |   |                |  |  |
|       | 129                      |              |          | <u> </u>  | -              | _   | _  | <u> </u> -     | <u> </u>  |                |  |  |
|       | 130                      |              |          |   | _              |   |  |                | <u> </u>  |                |  |  |
|       | 131<br>132               | <u> </u>     | _        | H   | <u> </u>       | <u> </u>  |  | $\vdash$       | <u> </u>  | Ш              |  |  |
|       | 132                      | <u> </u>     | _        | _   | _              | _   | _  | L              | _   |                |  |  |
|       | 133                      | <del> </del> | <u> </u> | <u> </u>  |                | <u> — </u>  | <u> </u>                                     | <u> </u>       | $\vdash$  |                |  |  |
|       | 134                      |              | <u> </u> | <del> </del>  | <del> </del> — |   | <b> </b>                                     |                |   |                |  |  |
|       | 135                      | _            | $\vdash$ | $\vdash$  | <u> </u>       | $\vdash$  | H  | <u> </u>       | $\vdash$  | $\vdash$       |  |  |
|       | 136<br>137               | <u> </u>     | $\vdash$ | $\vdash$  | <u> </u>       | $\vdash$  | Ь.   | <u> </u>       | <u> </u>  | Н              |  |  |
|       | 137                      | <del> </del> | $\vdash$ | H   | $\vdash$       | $\vdash$  | H  | $\vdash$       | $\vdash$  | Н              |  |  |
|       | 139                      | $\vdash$     | <u> </u> | $\vdash$  | <del> </del>   | <del> </del>  |  | -              | ├   | $\vdash$       |  |  |
|       | 140                      | <del> </del> | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$  | <u> —                                   </u> | $\vdash$       | $\vdash$  | $\vdash$       |  |  |
|       | 141                      | $\vdash$     | $\vdash$ | $\vdash$  |                | -   | Н-   | ┝              | <del> </del>  | $\vdash$       |  |  |
|       | 142                      | -            | -        | $\vdash$  | -              | $\vdash$  | -  | <u> </u>       | $\vdash$  | $\vdash\vdash$ |  |  |
|       | 143                      | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$  | H  | $\vdash$       | $\vdash$  | $\vdash$       |  |  |
|       | 144                      | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$  | H  | $\vdash$       | <del> </del>  | $\vdash$       |  |  |
|       | 145                      | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$  | $\vdash$                                     | $\vdash$       | -   | $\vdash$       |  |  |
|       | 146                      | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$  | $\vdash$                                     | $\vdash$       | $\vdash$  |                |  |  |
|       | 147                      | <del> </del> | -        | <del> </del>  | $\vdash$       | -   |  | $\vdash$       | -   | $\vdash$       |  |  |
|       | 148                      | $\vdash$     | $\vdash$ | $\vdash$  | -              | $\vdash$  | $\vdash$                                     | $\vdash$       | -   |                |  |  |
|       | 149                      | $\vdash$     | Н        |   |                | Т   |  |                |   | Н              |  |  |
|       | 150                      | $\vdash$     | П        |   |                | $\vdash$  |  |                |   |                |  |  |
|       |                          |              | _        |   |                |   |  |                | _   |                |  |  |